

Converting Colors

CIELCh(31, 21.304, 291.410)

Have a look what the booklet for
CIELCh(31, 21.304, 291.410)
contains.

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Color

CIELCh(31, 21.676, 292.101)

Conversions

Conversions Part 1

Format	Color
Hex	444668
RGB	68, 70, 104
RGB Percent	27%, 27%, 41%
CMY	0.7324, 0.7246, 0.5912
CMYK	0.35, 0.33, 0.00, 0.59
HSL	237°, 21%, 34%
HSV	237°, 35%, 41%
XYZ	7.1167, 6.6515, 14.0719
YIQ	73.2780, -12.1060, 10.1500

Conversions

Conversions Part 2

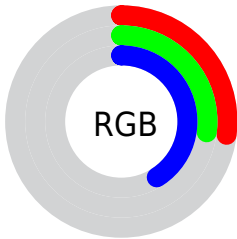
Format	Color
RYB	68, 70, 104
Decimal	4474472
CIELab	31.00, 8.16, -20.08
CIElCh	31, 21.676, 292.101
Yxy	6.6515, 0.2556, 0.2389
Android (android.graphics.Color)	4282664552 (0xFF444668)
YUV	73.2780, 15.1459, -4.6288
Hunter-Lab	25.7905, 4.1224, -14.2966

Details

The CIELCh color **31, 21.676, 292.101** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **43, 20.191, 104.568**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 21.608, 291.960**, and **11, 21.898, 292.258** is the 20% darker color. If you saturate the color by 10%, you get **27, 28.497, 293.787**, and if you desaturate by 10%, it is **35, 15.112, 290.643**.

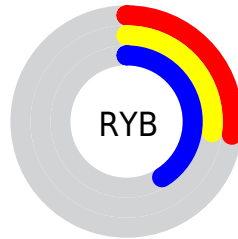
Distribution



Red (27%)

Green (27%)

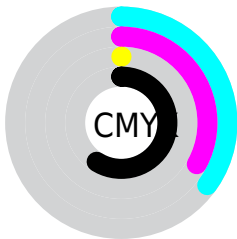
Blue (41%)



Red (27%)

Yellow (27%)

Blue (41%)

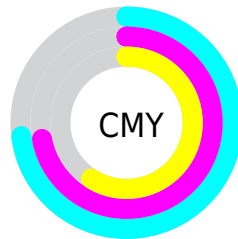


Cyan (35%)

Magenta (33%)

Yellow (0%)

Black (59%)



Cyan (73%)

Magenta (72%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 21.676, 292.101 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 31, 21.676, 292.101 by changing the saturation by 10% instead.

■ 31, 21.676,
292.101

■ 31, 21.676,
292.101

■ 100, 21.676,
292.101

■ 21, 21.676,
292.101

■ 51, 21.676,
292.101

■ 11, 21.676,
292.101

■ 61, 21.676,
292.101

■ 1, 21.676, 292.101

■ 71, 21.676,
292.101

■ 0, 21.676, 292.101

■ 81, 21.676,
292.101

■ 91, 21.676,
292.101

■ 31, 21.676,
292.101

■ 31, 21.676,
292.101

■ 27, 28.497,
293.787

■ 35, 15.112,
290.643

■ 23, 35.576,
295.709

■ 39, 8.793, 289.391

■ 20, 42.864,
297.842

■ 42, 2.701, 288.328

■ 46, 3.180, 107.366

■ 17, 50.205,
300.102

■ 50, 8.866, 106.579

■ 14, 57.223,
302.317

■ 54, 14.369,
105.891

■ 11, 63.261,
304.197

■ 57, 19.700,
105.292

■ 10, 66.188,
304.994

■ 61, 24.871,
104.768

■ 65, 29.889,

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31, 21.676, 292.101



43, 20.191, 104.568

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31, 21.676, 292.101



31, 21.676, 342.101



31, 21.676, 112.101



31, 21.676, 162.101

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31, 21.675, 292.101



52, 7.429, 288.915



41, 13.696, 191.629



26, 5.117, 289.027



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31, 21.675, 292.101



37, 32.314, 293.361



32, 23.696, 308.463



19, 3.302, 288.768



12, 71.179, 305.125



31, 126.467, 305.802

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33, 16.662, 18.019



40, 25.014, 19.127



42, 22.475, 125.116



19, 2.447, 15.356



22, 54.505, 35.147



51, 98.433, 38.389

Previews

White Background



This preview shows how the CIE LCh color 31, 21.676, 292.101 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 31, 21.676, 292.101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

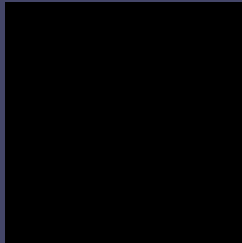
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 21.676, 292.101

Background



This preview shows how black text looks on a background with the CIELCh color 31, 21.676, 292.101.

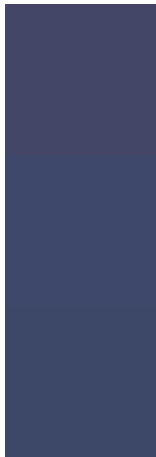


This preview shows how white text looks on a background with the CIELCh color 31, 21.676, 292.101.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31, 21.676, 292.101

Protanopia

31, 21.779, 284.801

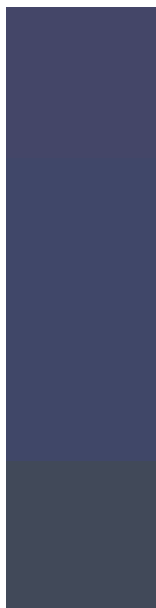
Deuteranopia

31, 20.590, 282.998



Tritanopia
31, 6.104, 237.772

Trichromacy



Original Color
31, 21.676, 292.101

Protanomaly
31, 21.719, 287.487

Deuteranomaly
31, 21.094, 287.149

Tritanomaly
31, 10.569, 274.806

Monochromacy



Original Color
31, 21.676, 292.101

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 7.639, 288.482

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 21.676, 292.101 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(68, 70, 104)` looks like.

```
.text, #text, p{  
  color:rgb(68, 70, 104)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(68, 70, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 70, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 21.676, 292.101 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(68, 70, 104) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(68, 70, 104) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(68, 70, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 70, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 70, 104);  
box-shadow:4px 4px 4px 4px rgb(68, 70,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 21.676, 292.101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 70, 104) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(68, 70,  
104) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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